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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><br>(Only for new nonprovisional applications under 37 CFR 1.53(b)) | Attorney Docket No.  | 141241-1/YOD<br>GERD:0109 | Total Pages | 41 |
|  | First Named Inventor or Application Identifier<br>Abdelkrim Karim Younsi |                           |             |    |
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| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents.   | <b>ADDRESS TO:</b><br>Commissioner for Patents<br>Mail Stop Patent Application, P.O. Box 1450<br>Alexandria, VA 22313-1450   |
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| 2. <input checked="" type="checkbox"/> Specification Total Pages <u>16</u><br>(preferred arrangement set forth below)<br>-Descriptive<br>-Cross References to Related Application<br>-Statement Regarding Fed sponsored R & D<br>-Reference to Microfiche Appendix<br>-Background of the Invention<br>-Brief Summary of the Invention<br>-Brief Description of the Drawings (if filed)<br>-Detailed Description<br>-Claim(s)<br>-Abstract of the Disclosure | 7. Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)<br>a. <input type="checkbox"/> Computer Readable Copy<br>b. <input type="checkbox"/> Paper Copy (identical to computer copy)<br>c. <input type="checkbox"/> Statement verifying identity of above copies |
| 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) Total Sheets <u>4</u><br>Total Pages <u>12</u>   | <b>ACCOMPANYING APPLICATION PARTS</b>  |
| 4. Oath or Declaration<br>a. <input checked="" type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37CFR 1.63(d))<br>(for continuation/divisional with Box 17 completed)<br>[Note Box 5 below]<br>i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).                    | 8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))  |
| 5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked)<br>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  | 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney<br>(where there is an assignee)   |
|   | 10. <input type="checkbox"/> English Translation Document (if applicable)  |
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| <b>FEE TRANSMITTAL</b>  | <b>Complete if Known</b> |                        |                        |                          |  |
|                         | Application Number       | unassigned             |                        |                          |  |
|                         | Filing Date              | herewith               |                        |                          |  |
|                         | First Named Inventor     | Abdelkrim karim Younsi |                        |                          |  |
|                         | Group Art Unit           | unknown                |                        |                          |  |
|                         | Examiner Name            | unknown                |                        |                          |  |
| TOTAL AMOUNT OF PAYMENT | (\$)                     | 1,208.00               | Attorney Docket Number | 141241-1/YOD (GERD:0109) |  |

| <b>METHOD OF PAYMENT (check one)</b>  |                       |                       | <b>FEE CALCULATION (continued)</b>   |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
|---|-----------------------|-----------------------|--|--|-----------------------|-----------------------|-----------------|----------------|-----------------|-----------------|----------------------------|------------------------|--------------------|--------|---------------------------|-------------------------------------|-----------------------------------|------|-------------------|------|------|---|------|-----|------------------|-----|---|---------------------------|------|------|--------------------|---|---------------------|--|------|-----|------------------------|------|---------------------|--|---|-----|-------|------|--------|---|---|-----|-----|-----|----|---|---|-----|-----|-----|-----|--|---|-----|-----|-----|-----|---|---|-----|-------|-----|-----|--|---|-----|-----|-----|-----|------------------|---|-----|-----|-----|-----|--|---|-----|-----|-----|-----|--------------------------|---|-----|-------|-----|-------|---|---|-----|-----|-----|----|--|---|-----|-------|-----|-----|--|---|-----|-------|-----|-----|--------------------------------|---|-----|-----|-----|-----|------------------|---|-----|-----|-----|-----|-----------------|---|-----|-----|-----|-----|-------------------------------|---|-----|----|-----|----|---|---|-----|-----|-----|-----|---|---|-----|----|-----|----|--|-------|-----|-----|-----|-----|---|---|-----|-----|-----|-----|--|---|---------------------------|--|--|--|---|--|---------------------------|--|--|--|---|--|---------------------|--|--|--|------|--|------|------------------------------------|--|--|--|--|--|
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:<br><br>Deposit Account Number <u>07-0868/141241-1/YOD (GERD:0109)</u><br><br>Deposit Account Name <u>General Electric Global Research Center</u><br><br><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.31(b)   |                       |                       | <b>3. ADDITIONAL FEES</b>  |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 2. <input type="checkbox"/> Payment Enclosed:<br><input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other   |                       |                       | <table border="1"><thead><tr><th>Large Fee Code</th><th>Entity Fee (\$)</th><th>Small Fee Code</th><th>Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td>—</td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing or cover sheet.</td><td>—</td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td>—</td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td>—</td></tr><tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td>—</td></tr><tr><td>113</td><td>1,840</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td>—</td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for response within first month</td><td>—</td></tr><tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for response within second month</td><td>—</td></tr><tr><td>117</td><td>950</td><td>217</td><td>475</td><td>Extension for response within third month</td><td>—</td></tr><tr><td>118</td><td>1,570</td><td>218</td><td>755</td><td>Extension for response within fourth month</td><td>—</td></tr><tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td>—</td></tr><tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td>—</td></tr><tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td>—</td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td>—</td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td>—</td></tr><tr><td>141</td><td>1,320</td><td>241</td><td>660</td><td>Petition to revive unintentionally abandoned application</td><td>—</td></tr><tr><td>142</td><td>1,320</td><td>242</td><td>660</td><td>Utility issue fee (or reissue)</td><td>—</td></tr><tr><td>143</td><td>450</td><td>243</td><td>225</td><td>Design issue fee</td><td>—</td></tr><tr><td>144</td><td>670</td><td>244</td><td>335</td><td>Plant issue fee</td><td>—</td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td>—</td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td>—</td></tr><tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td>—</td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr><tr><td>146</td><td>790</td><td>246</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td>—</td></tr><tr><td>149</td><td>790</td><td>249</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td>—</td></tr><tr><td colspan="4">Other fee (specify) _____</td><td colspan="2">—</td></tr><tr><td colspan="4">Other fee (specify) _____</td><td colspan="2">—</td></tr><tr><td colspan="4"><b>SUBTOTAL (3)</b></td><td colspan="2">(\$)</td><td>0.00</td></tr><tr><td colspan="6">* Reduced by Basic Filing Fee Paid</td></tr></tbody></table> |  |                       | Large Fee Code        | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid                   | 105                    | 130                | 205    | 65                        | Surcharge - late filing fee or oath | —                                 | 127  | 50                | 227  | 25   | Surcharge - late provisional filing or cover sheet. | —    | 139 | 130              | 139 | 130   | Non-English specification | —    | 147  | 2,520              | 147   | 2,520               | For filing a request for reexamination | —    | 112 | 920                    | 112  | 920                 | Requesting publication of SIR prior to Examiner action | — | 113 | 1,840 | 113  | 1,840  | Requesting publication of SIR after Examiner action | — | 115 | 110 | 215 | 55 | Extension for response within first month | — | 116 | 400 | 216 | 200 | Extension for response within second month | — | 117 | 950 | 217 | 475 | Extension for response within third month | — | 118 | 1,570 | 218 | 755 | Extension for response within fourth month | — | 119 | 310 | 219 | 155 | Notice of Appeal | — | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | — | 121 | 270 | 221 | 135 | Request for oral hearing | — | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | — | 140 | 110 | 240 | 55 | Petition to revive unavoidably abandoned application | — | 141 | 1,320 | 241 | 660 | Petition to revive unintentionally abandoned application | — | 142 | 1,320 | 242 | 660 | Utility issue fee (or reissue) | — | 143 | 450 | 243 | 225 | Design issue fee | — | 144 | 670 | 244 | 335 | Plant issue fee | — | 122 | 130 | 122 | 130 | Petitions to the Commissioner | — | 123 | 50 | 123 | 50 | Petitions related to provisional applications | — | 126 | 240 | 126 | 240 | Submission of Information Disclosure Stmt | — | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 | 146 | 790 | 246 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | — | 149 | 790 | 249 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) | — | Other fee (specify) _____ |  |  |  | — |  | Other fee (specify) _____ |  |  |  | — |  | <b>SUBTOTAL (3)</b> |  |  |  | (\$) |  | 0.00 | * Reduced by Basic Filing Fee Paid |  |  |  |  |  |
| Large Fee Code  | Entity Fee (\$)       | Small Fee Code        | Entity Fee (\$)  | Fee Description  | Fee Paid              |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 105   | 130                   | 205                   | 65   | Surcharge - late filing fee or oath  | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 127   | 50                    | 227                   | 25   | Surcharge - late provisional filing or cover sheet.                        | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 139   | 130                   | 139                   | 130  | Non-English specification  | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 147   | 2,520                 | 147                   | 2,520  | For filing a request for reexamination                                     | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 112   | 920                   | 112                   | 920  | Requesting publication of SIR prior to Examiner action                     | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 113   | 1,840                 | 113                   | 1,840  | Requesting publication of SIR after Examiner action                        | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 115   | 110                   | 215                   | 55   | Extension for response within first month                                  | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 116   | 400                   | 216                   | 200  | Extension for response within second month                                 | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 117   | 950                   | 217                   | 475  | Extension for response within third month                                  | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 118   | 1,570                 | 218                   | 755  | Extension for response within fourth month                                 | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 119   | 310                   | 219                   | 155  | Notice of Appeal   | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 120   | 310                   | 220                   | 155  | Filing a brief in support of an appeal                                     | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 121   | 270                   | 221                   | 135  | Request for oral hearing   | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 138   | 1,510                 | 138                   | 1,510  | Petition to institute a public use proceeding                              | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 140   | 110                   | 240                   | 55   | Petition to revive unavoidably abandoned application                       | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 141   | 1,320                 | 241                   | 660  | Petition to revive unintentionally abandoned application                   | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 142   | 1,320                 | 242                   | 660  | Utility issue fee (or reissue)   | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 143   | 450                   | 243                   | 225  | Design issue fee   | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 144   | 670                   | 244                   | 335  | Plant issue fee  | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 122   | 130                   | 122                   | 130  | Petitions to the Commissioner  | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 123   | 50                    | 123                   | 50   | Petitions related to provisional applications                              | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 126   | 240                   | 126                   | 240  | Submission of Information Disclosure Stmt                                  | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 581   | 40                    | 581                   | 40   | Recording each patent assignment per property (times number of properties) | 40.00                 |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 146   | 790                   | 246                   | 395  | Filing a submission after final rejection (37 CFR 1.129(a))                | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 149   | 790                   | 249                   | 395  | For each additional invention to be examined (37 CFR 1.129(b))             | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| Other fee (specify) _____   |                       |                       |  | —  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| Other fee (specify) _____   |                       |                       |  | —  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| <b>SUBTOTAL (3)</b>   |                       |                       |  | (\$)   |                       | 0.00                  |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| * Reduced by Basic Filing Fee Paid  |                       |                       |  |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| <b>1. FILING FEE</b>  |                       |                       |  |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>770.00</td></tr><tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td>—</td></tr><tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td>—</td></tr><tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td>—</td></tr><tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td>—</td></tr><tr><td colspan="5"><b>SUBTOTAL (1)</b></td><td>(\$)</td><td>770.00</td></tr></tbody></table>          |                       |                       | Large Entity Fee Code  | Large Entity Fee (\$)  | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid       | 1001            | 750             | 2001                       | 375                    | Utility filing fee | 770.00 | 1002                      | 330                                 | 2002                              | 165  | Design filing fee | —    | 1003 | 520   | 2003 | 260 | Plant filing fee | —   | 1004  | 750                       | 2004 | 375  | Reissue filing fee | —   | 1005                | 160                                    | 2005 | 80  | Provisional filing fee | —    | <b>SUBTOTAL (1)</b> |  |   |     |       | (\$) | 770.00 |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| Large Entity Fee Code   | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$)  | Fee Description  | Fee Paid              |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1001  | 750                   | 2001                  | 375  | Utility filing fee   | 770.00                |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1002  | 330                   | 2002                  | 165  | Design filing fee  | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1003  | 520                   | 2003                  | 260  | Plant filing fee   | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1004  | 750                   | 2004                  | 375  | Reissue filing fee   | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1005  | 160                   | 2005                  | 80   | Provisional filing fee   | —                     |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| <b>SUBTOTAL (1)</b>   |                       |                       |  |  | (\$)                  | 770.00                |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| <b>2. CLAIMS</b>  |                       |                       |  |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| <table border="1"><thead><tr><th>Total Claims</th><th>Extra</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>30 - 20 =</td><td>10</td><td>X 18 =</td><td>180.00</td></tr><tr><td>Independent Claims 6 - 3 =</td><td>3</td><td>X 86 =</td><td>258.00</td></tr><tr><td>Multiple Dependent Claims</td><td>—</td><td>X — =</td><td>—</td></tr></tbody></table>   |                       |                       | Total Claims   | Extra  | Fee from below        | Fee Paid              | 30 - 20 =       | 10             | X 18 =          | 180.00          | Independent Claims 6 - 3 = | 3                      | X 86 =             | 258.00 | Multiple Dependent Claims | —                                   | X — =                             | —    |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| Total Claims  | Extra                 | Fee from below        | Fee Paid   |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 30 - 20 =   | 10                    | X 18 =                | 180.00   |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| Independent Claims 6 - 3 =  | 3                     | X 86 =                | 258.00   |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| Multiple Dependent Claims   | —                     | X — =                 | —  |  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th></tr></thead><tbody><tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td></tr><tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td></tr><tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim</td></tr><tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>Reissue independent claims over original patent</td></tr><tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td></tr><tr><td colspan="5"><b>SUBTOTAL (2)</b></td><td>(\$)</td><td>438.00</td></tr></tbody></table> |                       |                       | Large Entity Fee Code  | Large Entity Fee (\$)  | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | 1202           | 18              | 2202            | 9                          | Claims in excess of 20 | 1201               | 84     | 2201                      | 42                                  | Independent claims in excess of 3 | 1203 | 280               | 2203 | 140  | Multiple dependent claim                            | 1204 | 84  | 2204             | 42  | Reissue independent claims over original patent | 1205                      | 18   | 2205 | 9                  | Reissue claims in excess of 20 and over original patent | <b>SUBTOTAL (2)</b> |  |      |     |                        | (\$) | 438.00              |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| Large Entity Fee Code   | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$)  | Fee Description  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1202  | 18                    | 2202                  | 9  | Claims in excess of 20   |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1201  | 84                    | 2201                  | 42   | Independent claims in excess of 3  |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1203  | 280                   | 2203                  | 140  | Multiple dependent claim   |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1204  | 84                    | 2204                  | 42   | Reissue independent claims over original patent                            |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| 1205  | 18                    | 2205                  | 9  | Reissue claims in excess of 20 and over original patent                    |                       |                       |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |
| <b>SUBTOTAL (2)</b>   |                       |                       |  |  | (\$)                  | 438.00                |                 |                |                 |                 |                            |                        |                    |        |                           |                                     |                                   |      |                   |      |      |   |      |     |                  |     |   |                           |      |      |                    |   |                     |  |      |     |                        |      |                     |  |   |     |       |      |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |  |                           |  |  |  |   |  |                     |  |  |  |      |  |      |                                    |  |  |  |  |  |

|                       |                  |                          |                |                       |                                  |
|-----------------------|------------------|--------------------------|----------------|-----------------------|----------------------------------|
| SUBMITTED BY          |                  | Complete (if applicable) |                |                       |                                  |
| Typed or Printed Name | Patrick S. Yoder | Reg. Number              | 37,479         |                       |                                  |
| Signature             |                  | Date                     | March 31, 2004 | Deposit Acct. User ID | 07-0868/141241-1/YOD (GERD:0109) |